

1 9. A method for assembling an integrated circuit package, comprising:
2 applying an epoxy to a thermal element;
3 placing the epoxy and the thermal element onto an integrated circuit; and,
4 curing the epoxy with energy at a microwave frequency.

A3 1 10. (Amended) The method of claim 9, further comprising mounting the
2 integrated circuit to a substrate.

A4 1 11. (Amended) The method of claim 10, further comprising attaching a solder ball
2 to the substrate.

A5 1 12. (Amended) The method of claim 9, further comprising molding an
2 encapsulant onto the substrate and the integrated circuit.

1 13. (New) The method of claim 5, wherein said thermal element is a heat
2 spreader.

1 14. (New) The method of claim 5, wherein prior to applying said epoxy, the
2 method further comprises providing a thermally conductive filler to a resin to form said
3 epoxy.

A6 1 15. (New) The method of claim 14, wherein said thermally conductive filler
2 includes carbon particles.

1 16. (New) The method of claim 5, wherein said placing of said thermal element
2 includes attaching said thermal element to said epoxy.

1 17. (New) The method of claim 5, wherein said curing of the epoxy includes
2 selecting the microwave frequency to cure the epoxy without damaging the integrated
3 circuit or heating other components within the integrated circuit package; and
4 generating energy at the microwave frequency by a microwave generator directed
5 toward the epoxy.

1 18. (New) The method of claim 9, wherein prior to applying said epoxy to the
2 thermal element, the method further comprises providing a thermally conductive filler to a
3 resin to form said epoxy.

1 19. (New) The method of claim 10 further comprising baking the substrate before
2 curing the epoxy.

1 20. (New) The method of claim 9, wherein said curing of the epoxy includes
2 selecting the microwave frequency to cure the epoxy without damaging the integrated
3 circuit or heating other components within the integrated circuit package; and
4 generating energy at the microwave frequency by a microwave generator directed
5 toward the epoxy.